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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SECURITIES BLDG.

HELENA, MONTANA

VOL. VII, No. 12 McKEE PRINT. December, 1959

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1959, averaged 84,066 barrels daily, an increase of 2,708 barrels from the average November production of 81,358.

The ten refineries in the State processed 75,323 barrels of crude oil daily for the month of December, 1959, an increase of 216 barrels daily from the 75,107 barrels processed daily during the month of November, 1959.

During December, 25 wells were completed, 11 oil, 0 gas wells and 14 dry holes.

During December, the Commission issued 21 permits to drill new wells, a decrease of 3 from the 24 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1959

IN STORAGE DECEMBER 1st:	
By Producers	376,580
By Transporters	662,771
By Refiners	538,401
TOTAL STORAGE	1,577,752
Produced in Montana During Month	2,606,061
Imported During Month	1,761,729
TOTALS	5,945,542
DISPOSITION:	
Refined in Montana	2,335,073
Exported	1,979,673
Used for Fuel or Lost	2,856
TOTAL	4,317,602
IN STORAGE DECEMBER 31st:	
By Producers	362,849
By Transporters	645,661
By Refiners	619,430
TOTAL STORAGE	1,627,940

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1959

Field	M Cu. FT.
Bears Den	0
Big Coulee	101,174
Bowdoin	660,164
Bowes	146,673
Box Elder	0
Cabin Creek	89,734
Cedar Creek	449,188
Clarks Fork	76,183
Cut Bank (Including Reagan)	859,856
Devon	0
Dry Creek	127,641
Elk Basin	85,824
Flat Coulee	6,484
Golden Dome	4,073
Grandview	0
Hardin	3,466
Keith Block	175,582
Kevin Sunburst	141,992
Pine	78,147
Plevna	16,930
Utopia	90,201
Whitlash	152,233
Miscellaneous	88,053
TOTAL	3,353,598

Total Withdrawals for December, 1958 were 4,225,735 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF DECEMBER, 1959

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	656	2,569	.....	2,644	.....	581
5	Bannatyne	10	3,169	3,034	.....	3,545	.....	2,658
1	Belfry	1	96	5,192	.....	5,049	.....	239
10	Big Wall	25	2,437	20,494	.....	19,690	173	3,068
11	Blackfoot	16	4,771	16,359	.....	16,380	.....	4,750
3	Border	5	.....	1,148	.....	1,148	.....	.....
20	Bowes	82	4,399	25,714	25,898	.....	.....	4,215
1	Bredette	1	1,991	372	875	.....	.....	1,488
3	North Bredette	3	1,984	3,005	3,049	.....	.....	1,940
3	Brorson	3	1,788	3,777	3,037	.....	.....	2,528
2	Cabin Creek	92	8,017	347,665	341,618	.....	.....	14,064
25	Cat Creek	80	5,052	11,579	8,623	4,374	.....	3,634
1	Clark's Fork	1	414	105	.....	99	.....	420
2	Clark's Fork North	3	4,775	8,385	.....	10,101	.....	3,059
1	Cupton	2	227	1,109	.....	.....	.....	1,336
363	Cut Bank	1,135	128,834	176,774	182,436	.....	.....	123,172
3	Deer Creek	6	3,096	17,518	17,626	.....	.....	2,988
4	Delphia	4	1,690	4,413	.....	5,056	.....	1,047
....	Devil's Basin	....	1,312	.....	.....	294	.....	1,018
5	Dry Creek	5	1,223	3,341	3,437	.....	.....	1,127
20	Elk Basin	58	2,902	297,351	297,167	.....	.....	3,086
....	Fertile Prairie	....	1,584	.....	.....	.....	.....	1,584
2	Frannie	2	272	1,395	1,354	.....	.....	313
2	Gage	2	1,339	1,117	.....	1,612	76	768
4	Gas City	11	4,830	16,679	17,810	.....	.....	3,699
6	Glendive	12	5,034	37,228	37,911	.....	.....	4,351
4	Gypsy Basin	4	2,091	1,201	.....	1,436	36	1,820
1	Hawk Creek	1	407	163	.....	152	32	386
5	Ivanhoe	13	4,793	13,379	.....	14,313	.....	3,859
202	Kevin Sunburst	1,377	17,316	70,621	71,821	.....	.....	16,116
1	Line Coulee	1	935	730	429	.....	.....	1,236
1	Little Beaver	7	1,999	18,908	18,839	.....	.....	2,068
5	East Little Beaver	7	4,356	20,640	22,418	.....	.....	2,578
4	Melstone	9	2,751	4,128	.....	3,958	43	2,878
3	Monarch	6	2,002	15,439	14,452	.....	.....	2,989
3	Mosser	5	478	511	.....	689	.....	300
7	Outlook Area	11	9,124	58,233	61,300	.....	.....	6,057
3	South Outlook	3	3,255	5,253	7,072	.....	.....	1,436
10	Pennel	21	7,750	43,432	44,687	.....	.....	6,495
5	Pine	139	18,511	422,349	422,973	.....	.....	17,887
82	Pondera	336	9,713	45,643	47,016	.....	.....	8,340
6	East Poplar	91	21,474	306,830	307,415	.....	.....	20,889
3	Northwest Poplar	4	1,070	2,158	2,197	.....	.....	1,031
4	Ragged Point	9	4,030	14,771	.....	15,869	.....	2,932
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	50	2,885	15,627	16,030	.....	.....	2,482
9	Red Creek	16	3,546	22,423	.....	20,905	.....	5,064
1	Redstone	1	244	395	347	.....	.....	292
1	Repeat	1	886	3,759	4,203	.....	.....	442
8	Richey	12	6,587	18,257	17,221	.....	308	7,315
5	Sand Creek	6	3,922	36,347	35,933	.....	.....	4,336
1	Snyder	3	1,048	2,027	.....	1,983	.....	1,092
5	Soap Creek	18	2,518	6,994	.....	7,594	.....	1,918
2	Southwest Richey	2	2,229	7,091	6,804	.....	.....	2,516
9	Stensvad	22	8,835	175,479	174,403	.....	74	9,837
28	Sumatra	83	15,331	182,855	167,867	13,098	.....	17,221
3	Sweetgrass Hills	3	497	628	.....	393	.....	732
8	Whitlash	33	14,873	5,193	4,107	2,570	.....	13,389
6	Wills Creek	12	3,891	37,610	37,243	.....	.....	4,258
9	Wolf Springs	18	3,805	39,538	39,076	.....	.....	4,267
1	Woodrow	1	692	1,126	1,404	.....	.....	414
....	Yellowstone	....	728	.....	.....	.....	.....	728
947		3,888	376,580	2,606,061	2,466,098	152,952	742	362,849

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1958	27,958,649	76,593	27,878,576	76,379
First Quarter, 1959	7,287,446	80,971	7,258,943	80,654
Second Quarter, 1959	7,262,121	79,803	7,245,821	79,624
Third Quarter, 1959	7,720,041	83,913	7,718,520	83,896
Fourth Quarter, 1959	7,587,618	82,474	7,592,348	82,525

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1958	342,798	707,901	518,033	1,568,732
March, 1959	368,699	661,262	562,586	1,592,547
June, 1959	376,081	627,475	812,606	1,816,162
September, 1959	372,219	647,228	575,588	1,595,035
December, 1959	362,849	645,661	619,430	1,627,940

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF DECEMBER, 1959

	Storage First of Month	OIL RECEIVED BY Pipeline	Truck	Connecting Carrier	Loss or Gain	OIL SHIPPED TO Montana	Other States	Connecting Carrier	Storage End of Month
ASH CREEK—Truck			2,644				2,644		
BANNATYNE—Truck			3,545			3,545			
BELFRY—Truck			5,049			5,049			
BIG WALL—Truck			19,690			19,690			
BLACKFOOT—Union Oil Co			16,380			16,380			
BORDER—Truck			1,148			1,148			
BOWES—									
Trigood Oil Co	3,139	3,495			161	3,983			2,490
Texaco Inc		22,403				22,403			
	3,139	25,898			161	26,386			2,490
BRORSON—Sun Oil Company		3,037					3,037		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co	309,564	951,157		517,543			1,490,346		287,918
Shell Pipe Line Corp	2,250	114,890			(530)			115,924	1,746
	311,814	1,066,047		517,543	(530)		1,490,346	115,924	289,664
CAT CREEK—									
Continental Pipe Line Co	4,548	8,623			(2,356)	12,150			3,377
Truck			4,374			4,374			
	4,548	8,623	4,374		(2,356)	16,524			3,377
CLARK'S FORK—Truck			10,200				10,200		
CUT BANK—									
Big West Oil Co		446		15,170		15,616			
Darling Gathering System, Inc	1,259	1,692			(359)			1,658	1,652
Phillips Petroleum Co	37,936	51,690		21,328	114	52,514		21,328	36,998
Texas Pipe Line Co	57,865	30,013		10,775	656	28,776		24,488	44,733
Toronto Pipe Line Co	21,802	49,708			(201)			42,242	29,469
Union Oil Co	101,871	50,873		39,934	(41)	74,969			117,750
	220,733	184,422		87,207	169	171,875		89,716	230,602
DEVILS BASIN—Truck			294				294		
DELPHIA—Truck			5,056			5,056			
DRY CREEK—Ohio Oil Co	9,278	3,437			328	3,374			9,013
ELK BASIN—Ohio Oil Co		297,167					297,167		
FRANNIE—Ohio Oil Co		1,354					1,354		
GAGE—Truck			1,612			1,612			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co	10,581	89,987		762	480		74,853	13,851	12,146
GYPSY BASIN—Truck			1,436			1,436			
HAWK CREEK—Truck			152			152			
IVANHOE—Truck			14,313			2,306	12,007		
KEVIN-SUNBURST—									
Big West Oil Co	2,114	44,468				44,447			2,135
Homestake Oil & Gas Co	4,742	2,956		1,658	1,101	7,783			472
The Texas Pipe Line Co	4,077	34,577			436	34,141			4,077
	10,933	82,001		1,658	1,537	86,371			6,684
MELSTONE—Truck			3,958			3,958			
MOSSER—Truck			689				689		
PONDERA—Phillips Petr. Co	24,408	51,984			1,050	49,433			25,909
POPLAR, BREDETTE, OUTLOOK, LINE COULEE, REDSTONE, RICHEY & SOUTH OUTLOOK—									
East Poplar Gathering System	26,600	391,846			1,552			387,884†	29,010
RAGGED POINT—Truck			15,869			15,869			
REAGAN—Union Oil Co		16,030				16,030			
RED CREEK—Truck			20,905			13,432	7,473		
SNYDER—Truck			1,983				1,983		
SOAP CREEK—Truck			7,594			4,659	2,935		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc	28,399	342,270			(438)	280,352	61,593		29,162
Truck			13,098				13,098		
	28,399	342,270	13,098		(438)	280,352	74,691		29,162
SWEETGRASS HILLS—Truck			393			393			
WHITLASH—									
Homestake Oil & Gas Co				3,458		3,458			
Western Natural Gas Co	1,113	4,107						3,253	1,967
Truck			2,570			2,570			
	1,113	4,107	2,570	3,458		6,028		3,253	1,967
WOLF SPRINGS—									
Powder River Pipe Line Co	11,225	39,076			(27)	44,691			5,637
TOTALS	662,771	2,607,286	152,952	610,628	1,926	795,749	1,979,673	610,628	645,661

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF DECEMBER, 1959

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Texstar Corporation	Union Oil Co.	Total
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,218	13,218
Border	1,148	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,148
Bowes	.....	.....	.....	21,147	.....	.....	.....	.....	.....	.....	21,147
Cat Creek	.....	.....	8,949	.....	1,963	2,735	.....	.....	.....	.....	13,647
Clark's Fork	.....	.....	.....	.....	101	.....	.....	.....	.....	.....	101
Cut Bank	17,348	.....	.....	.....	.....	.....	52,514	.....	.....	65,597	135,459
Delphia	.....	.....	.....	.....	.....	4,071	.....	.....	.....	.....	4,071
Dry Creek	.....	.....	.....	.....	4,947	.....	.....	.....	.....	.....	4,947
Elk Basin	.....	149,331	67,107	.....	.....	.....	.....	.....	.....	.....	216,438
Gage	.....	.....	.....	.....	597	1,173	.....	.....	.....	.....	1,770
Ivanhoe	.....	.....	.....	.....	.....	6,530	.....	.....	.....	.....	6,530
Kevin Sunburst	43,880	.....	.....	.....	.....	.....	.....	.....	.....	.....	43,880
Melstone	.....	.....	.....	.....	4,858	.....	.....	.....	.....	.....	4,858
Pondera	.....	.....	.....	.....	.....	.....	49,079	.....	.....	.....	49,079
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,030	16,030
Red Creek	.....	11,517	.....	.....	.....	.....	.....	.....	.....	.....	11,517
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	4,659	.....	4,659
Sumatra	.....	169,198	450	.....	133,161	.....	.....	.....	.....	.....	302,809
Sweetgrass Hills	564	.....	.....	.....	.....	.....	.....	.....	.....	.....	564
Whitlash	185	.....	.....	.....	.....	.....	.....	.....	.....	2,689	2,874
Wolf Springs	.....	35,943	.....	.....	.....	.....	.....	.....	.....	.....	35,943
Total Montana Oil	63,125	365,989	76,506	21,147	145,627	14,509	101,593	.....	4,659	97,534	890,689
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	.....	.....	.....	666	666
Wyoming Oil Imported	.....	644,089	317,034	.....	482,595	.....	.....	.....	.....	.....	1,443,718
TOTAL Montana, Candian and Wyoming Oil	63,125	1,010,078	393,540	21,147	628,222	14,509	101,593	.....	4,659	98,200	2,335,073

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1958	25,108	.32	38,599	63,739
December, 1958	23,397	....	42,390	65,787
December, 1959	28,731	.21	46,571	75,323

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.39%	.05%	60.56%
35.56%	....	64.44%
38.14%	.04%	61.82%